

Amendments to the Claims

This listing of claims, if entered, will replace all prior versions and listings of claims in the above-identified application.

Listing of Claims

1. (Cancelled)
2. (Cancelled)
3. (Withdrawn) The method of Claim 1, further comprising:
extracting product management information in a third form that is associated with a
second source computerized product management system that is distinct from the
first source computerized product management system;
converting the product management information in the third form into product
management information that is in the second intermediate form;
converting the product management information in the second intermediate form into
product management information in the target form; and
using the product management information in the target form to perform at least one
computer-implemented act from a set of computer-implemented acts comprising:
creating a new product management record in the target computerized product
management system; and
updating an existing product management record in the target computerized
product management system.
4. (Cancelled)

5. (Currently Amended) The method of Claim ~~[[24]]~~ 29, wherein each of the plurality of product elements comprises one or more elements selected from a group comprising:

a product configuration element;

a product identifier;

a product base data element;

a product sales data element;

a related product line element for defining a product line element;

a product list of price type element for defining a plurality of product price type elements;

a product list of related inventory location element for defining a plurality of product
related inventory location elements for the product;

a list of related product element for defining a plurality of related product elements;

a product list of related business unit element for defining a product related business unit
element; and

a product custom data element.

6. (Previously Presented) The method of Claim 5, wherein the product base data element comprises one or more elements selected from a group comprising:

a product category code element;

a product description element;

an product effective end date element for defining a product's effective validity end date;

an product effective start date element for defining a product's effective validity start
date;

a global product identifier element;

a global product classification code element;

a global product serial identifier;

a global product special handling code element;

a product name element;

a product number element;

a product part number element;

a product status code element;

a product type code element;

a product unit of measure code element; and

a product vendor part serial number element.

7. (Previously Presented) The method of Claim 5, wherein the product sales data element comprises one or more elements selected from a group comprising:

- a product field replaceable flag;
- a product lead time element;
- a product maximum order quantity element;
- a product minimum order quantity element;
- a product revision number element;
- a product orderable flag;
- a sales product flag;
- a service product flag;
- a service instance flag; and
- a serialized product flag.

8. (Previously Presented) The method of Claim 5, wherein

- the product configuration data element comprises a product configuration flag and a product related class element that is specific to a product;
- the product line element comprises a product line identifier, a product line base data element and a product line custom data element, wherein the product line base data element comprises:
 - a product line description element; and
 - a product line name element;
- each of the plurality of product price type elements comprises a product price type code element;
- each of the plurality of product related inventory location elements for the product comprises a product inventory location identifier and a product inventory data element for the product, wherein the product inventory data element for the product comprises one or more elements selected from:
 - a product inventory location classification data element, wherein the product inventory location classification data element comprises one or more elements selected from:
 - a product movement class code element; and

a product value class code element; and
a product inventory location stocking data element, wherein the product inventory location stocking data element comprises one or more elements selected from:
a product allocate below safety stock level flag;
a product auto substitute flag;
a product auto allocate flag;
a product maximum inventory level element;
a product minimum inventory level element; and
a product safety stock level element;
each of the plurality of related product elements comprises one or more elements selected from:
a related product identifier;
a related product name element;
a related product number element; and
a related product type code element; and
the product related business unit element comprises a product organization identifier and a product business unit data element, wherein the product business unit data element comprises a product sales unit of measure code element.

9. (Cancelled)

10. (Cancelled)

11. (Withdrawn) The computer-readable medium of Claim 26, further comprising:
extracting product management information in a third form that is associated with a
second source computerized product management system that is distinct from the
first source computerized product management system;
converting the product management information in the third form into product
management information that is in the second intermediate form;
converting the product management information in the second intermediate form into
product management information in the target form; and
using the product management information in the target form to perform at least one
computer-implemented act from a set of computer-implemented acts comprising:
creating a new product management record in the target computerized product
management system; and
updating an existing product management record in the target computerized
product management system.
12. (Previously Presented) The computer-readable medium of Claim 26, wherein the
hierarchy of data elements comprises a plurality of product elements which comprise other
elements.
13. (Currently Amended) The computer-readable medium of Claim 12, wherein each of
the plurality of product elements comprises one or more elements selected from a group
comprising:
a product configuration data element;
a product identifier;
a product base data element;
a product sales data element
a related product line element for defining a product line element;
a product list of price type element for defining a plurality of product price type elements;
a product list of related inventory location element for defining a plurality of product
related inventory location elements for the product;
a list of related product element for defining a plurality of related product elements;

a product list of related business unit element for defining a product related business unit element; and
a product custom data element.

14. (Previously Presented) The computer-readable medium of Claim 13, wherein the product base data element comprises one or more elements selected from a group comprising:

- a product category code element;
- a product description element;
- an product effective end date element for defining a product's effective validity end date;
- an product effective start date element for defining a product's effective validity start date;
- a global product identifier element;
- a global product classification code element;
- a global product serial identifier;
- a global product special handling code element;
- a product name element;
- a product number element;
- a product part number element;
- a product status code element;
- a product type code element;
- a product unit of measure code element; and
- a product vendor part serial number element.

15. (Previously Presented) The computer-readable medium of Claim 13, wherein the product sales data element comprises one or more elements selected from a group comprising:

- a product field replaceable flag;
- a product lead time element;
- a product maximum order quantity element;
- a product minimum order quantity element;
- a product revision number element;
- a product orderable flag;
- a sales product flag;
- a service product flag;
- a service instance flag; and
- a serialized product flag.

16. (Previously Presented) The computer-readable medium of Claim 13, wherein the product configuration data element comprises a product configuration flag and a product related class element that is specific to a product;

the product line element comprises a product line identifier, a product line base data element and a product line custom data element, wherein the product line base data element comprises:

- a product line description element; and
- a product line name element;

each of the plurality of product price type elements comprises a product price type code element;

each of the plurality of product related inventory location elements for the product comprises a product inventory location identifier and a product inventory data element for the product, wherein the product inventory data element for the product comprises one or more elements selected from:

- a product inventory location classification data element, wherein the product inventory location classification data element comprises one or more elements selected from:
 - a product movement class code element; and
 - a product value class code element; and

a product inventory location stocking data element, wherein the product inventory location stocking data element comprises one or more elements selected from:

- a product allocate below safety stock level flag;
- a product auto substitute flag;
- a product auto allocate flag;
- a product maximum inventory level element;
- a product minimum inventory level element; and
- a product safety stock level element;

each of the plurality of related product elements comprises one or more elements selected from:

- a related product identifier;
- a related product name element;
- a related product number element; and
- a related product type code element; and

the product related business unit element comprises a product organization identifier and a product business unit data element, wherein the product business unit data element comprises a product sales unit of measure code element.

17. (Withdrawn) A data structure for managing product, the data structure comprising a list of product element for defining a hierarchy of data elements, wherein the hierarchy of data elements includes a plurality of product elements which include other elements.

18. (Withdrawn) The data structure of Claim 17, wherein each of the plurality of product elements includes one or more elements selected from a group comprising:

- a product identifier;
- a product base data element;
- a product sales data element
- a product configuration data element;
- a related product line element for defining a product line element;
- a product list of price type element for defining a plurality of product price type elements;

- a product list of related inventory location element for defining a plurality of product related inventory location elements for the product;
- a list of related product element for defining a plurality of related product elements;
- a product list of related business unit element for defining a product related business unit element; and
- a product custom data element.

19. (Withdrawn) The data structure of Claim 18, wherein the product base data element includes one or more elements selected from a group comprising:

- a product category code element;
- a product description element;
- a product effective end date element for defining a product's effective validity end date;
- a product effective start date element for defining a product's effective validity start date;
- a global product identifier element;
- a global product classification code element;
- a global product serial identifier;
- a global product special handling code element;
- a product name element;
- a product number element;
- a product part number element;
- a product status code element;
- a product type code element;
- a product unit of measure code element; and
- a product vendor part serial number element.

20. (Withdrawn) The data structure of Claim 18, wherein the product sales data element includes one or more elements selected from a group comprising:

- a product field replaceable flag;
- a product lead time element;
- a product maximum order quantity element;
- a product minimum order quantity element;
- a product revision number element;
- a product orderable flag;
- a sales product flag;
- a service product flag;
- a service instance flag; and
- a serialized product flag.

21. (Withdrawn) The data structure of Claim 18, wherein
the product configuration data element includes a product configuration flag and a
product related class element that is specific to a product;
the product line element includes a product line identifier, a product line base data
element and a product line custom data element, wherein the product line base
data element includes:
a product line description element; and
a product line name element;
each of the plurality of product price type elements includes a product price type code
element;
each of the plurality of product related inventory location elements for the product
includes a product inventory location identifier and a product inventory data
element for the product, wherein the product inventory data element for the
product includes one or more elements selected from:
a product inventory location classification data element, wherein the product
inventory location classification data element includes one or more
elements selected from:
a product movement class code element; and
a product value class code element; and

a product inventory location stocking data element, wherein the product inventory location stocking data element includes one or more elements selected from:

- a product allocate below safety stock level flag;
- a product auto substitute flag;
- a product auto allocate flag;
- a product maximum inventory level element;
- a product minimum inventory level element; and
- a product safety stock level element;

each of the plurality of related product elements includes one or more elements selected from:

- a related product identifier;
- a related product name element;
- a related product number element; and
- a related product type code element; and

the product related business unit element includes a product organization identifier and a product business unit data element, wherein the product business unit data element includes a product sales unit of measure code element.

22-23. (Cancelled)

24. (Currently Amended) A method in a computing system, the method comprising:
~~managing a product, comprising~~
 extracting a first set of product management information in a first form, wherein
~~the product management information comprises information~~
~~regarding the managing of the product, and~~
 the first form is associated with a first source computerized product management system;
 converting the first set of product management information in the first form, wherein
 the converting the first set of product management information in the first form converts the first set of product management information in the first form into a first set of product management information that is in a second intermediate form; ~~[[and]]~~
 converting the first set of product management information in the second intermediate form, wherein
 the converting the first set of product management information in the second intermediate form converts the first set of product management information in the second intermediate form into a first set of product management information in a target form, ~~and~~
 the first set of product management information in ~~[[a]]~~ the target form corresponds to a target computerized product management system;
~~and~~
~~the second intermediate form comprises a hierarchy of data elements,~~
~~wherein~~
~~the hierarchy of data elements comprises~~
~~a plurality of product elements, wherein~~
~~each product element of the plurality of product elements comprises~~
~~a product configuration data element;~~
in response to the converting of the first set of product information into the target form, creating a new product record in the target computerized product management system;

extracting a second set of product information in the first form;
converting the second set of product management information in the first
form, wherein

the converting the second set of product management information in
the first form converts the second set of product management
information in the first form into a second set of product
management information that is in the second intermediate
form;

converting the second set of product management information in the second
intermediate form, wherein

the converting the second set of product management information in
the second intermediate form converts the second set of
product management information in the second intermediate
form into a second set of product management information in
the target form; and

in response to the converting the second set of product management information
into the target form, performing an update of ~~an existing~~ the new product
management record in the target computerized product management
system using the second set of product management information in the
target form, ~~wherein~~

~~the existing product management record resided in the target~~
~~computerized product management system prior to converting~~
~~the product management information into the target form.~~

25. (Cancelled)

26. (Currently Amended) A computer-readable medium carrying one or more sequences of
instructions, wherein execution of the one or more sequences of instructions by one or more
processors causes the one or more processors to perform:

~~managing a product, comprising~~

extracting a first set of product management information in a first form, wherein
~~the product management information comprises information~~
~~regarding the managing of the product, and~~

the first form is associated with a first source computerized product management system;
converting the first set of product management information in the first form,
~~wherein~~
~~the converting the product management information in the first form~~
~~converts the product management information in the first form~~
into a first set of product management information that is in a second intermediate form; ~~[[and]]~~
converting the first set of product management information in the second intermediate form, ~~wherein~~
~~the converting the product management information in the second intermediate form converts the product management information in the second intermediate form into~~ a first set of product management information in a target form, wherein the first set of product management information in the target form corresponds to a target computerized product management system, ~~and~~
~~the second intermediate form comprises a hierarchy of data elements, wherein~~
~~the hierarchy of data elements comprises~~
~~a plurality of product elements, wherein~~
~~each product element of the plurality of product elements comprises~~
~~a product configuration data element;~~
in response to the converting of the first set of product management information into the target form, creating a new product management information record in the target computerized product management system;
extracting a second set of product management information in the first form;
converting the second set of product management information in the first form into a second set of product management information in the second intermediate form;

converting the second set of product management information in the second intermediate form into a second set of product information in the target form; and

in response to the converting the **second set of** product management information into the target form, performing an update of **an-existing the new** product management record in the target computerized product management system using the **second set of** product management information in the target form, ~~wherein~~

~~the-existing product management record resided in the target computerized product management system prior to converting the product management information into the target form.~~

27. (Cancelled)

28. (Currently Amended) A method in a computing system, the method comprising:

~~managing a product, comprising~~

extracting **a first set of** product management information in a first form, wherein

~~the product management information comprises information regarding the managing of the product, and~~

the first form is associated with a first source computerized product management system;

converting the **first set of** product management information in the first form,

~~wherein~~

~~the converting the product management information in the first form~~

~~converts the product management information in the first form~~

into **a first set of** product management information that is in a second intermediate form;

converting the **first set of** product management information in the second intermediate form, ~~wherein~~

~~the converting the product management information in the second~~

~~intermediate form converts the product management~~

~~information in the second intermediate form~~ into **a first set of**

product management information in a first target form and product management information in a second target form, wherein the first target form is distinct from the second target form, the product management information in the first target form corresponds to a first target computerized product management system, **and** the product management information in the second target form corresponds to a second target computerized product management system, **and**

~~the second intermediate form comprises a hierarchy of data elements, wherein the hierarchy of data elements comprises a plurality of product elements, wherein each product element of the plurality of product elements comprises a product configuration data element;~~

in response to the converting of the first set of product management information into the first target form, creating a new product management information record in the first target computerized product management system;

extracting a second set of product management information in the first form;

converting the second set of product management information in the first form into a second set of product management information that is in the second intermediate form;

converting the second set of product management information in the second intermediate form into a second set of product management information in the first target form;

in response to the converting the product management information into the **first** target form, performing an update of **an existing the new** product management record in the **first** target computerized product management system using the **second set of** product management information in the **first** target form, **wherein**

~~the existing product management record resided in the target computerized product management system prior to~~

~~converting the product management information into
the target form.~~

29. (New) The method of Claim 24, wherein the second intermediate form comprises a plurality of product elements.